MYL, Jiri; NIKODYM, Blahoslav

Oscillometry by means of Q meter BM 211. Sbor VSChT Pardubice Pt.2:69-73 -63.

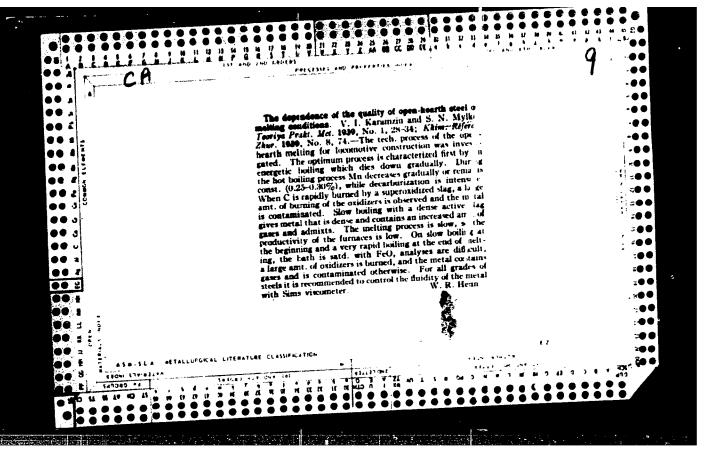
1. Chair of Inorganic Technology, Higher School of Chemical Technology, Pariubice.

MYL, Jiri; VONSOVSKA, Bohumila

Contribution to the evaluation of pyrolusite as a depolarizer. Sbor VSChT Pardubice Pt.2:75-80 '63.

1. Chair of Inorganic Chemistry, Higher School of Chemical Technology, Pardubice.

"Molecular science and molecular engineering" by A.R. von Hippel. Reviewed by Jiri Myl. Chem prum 14 no.7:394 Jl '64.
1. Higher School of Chemical Technology, Pardutice.



WILKO, S. N.

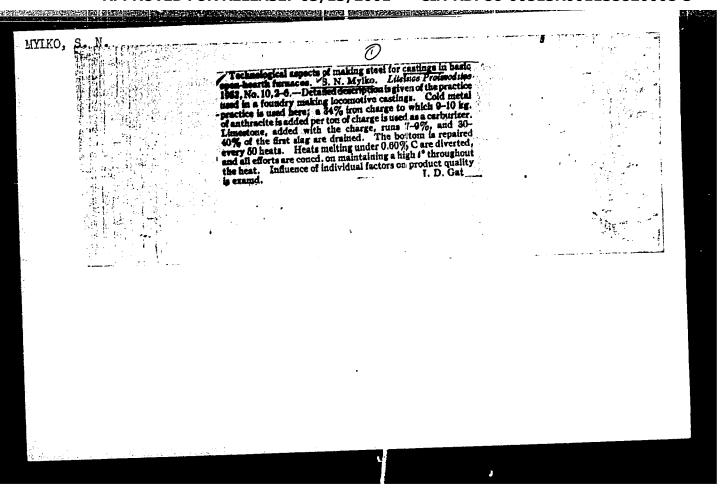
Wilko, S. N.

"Ingot Molds Made of Steel Poured Into Metal Molds,"
V. I. Iyanov, S. N. Mylko Engineers, Voroshilovgrad
Locomotive Bldg Plant

"Litey Proizfod" No 10, pp 9-11

Discusses application of steel as material for molds, used in making ingots intended for subsequent rolling or forging, and describes experience of Voroshilovgrad Plant in this respect. Emphasizes economical effect of such substitution. Data of other plants show 3-10 time increase in life of steel-ingot molds over cast-iron molds.

198765



MYLKO, S.N.; VIDISHEV, V.B.

[Experience in high-speed steel projection; from work practice of the Voroshilovgrad Locomotive Works] Praktika skorostnogo stalevareniia; is opyta Voroshilovgradskogo parovosostroite inogo savoda. Moskva, Gos.nsuchno-tekha. isd-vo mashinostroit.lit-ry, 1953. 62 p. (MERA 6:12)

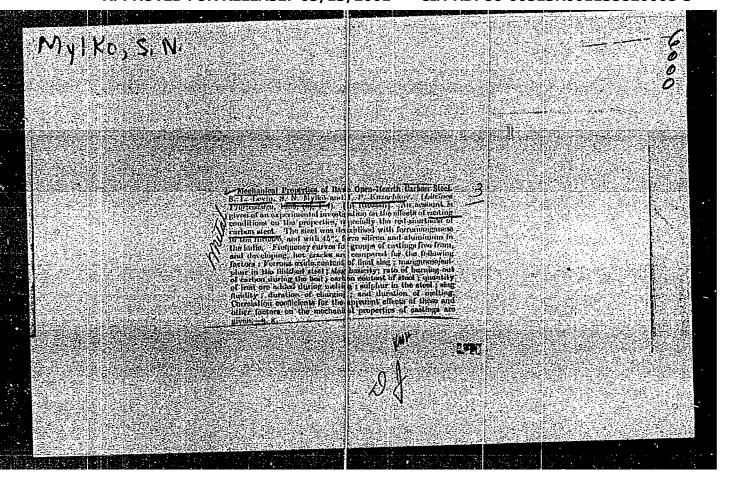
(Voroshilovgrad--Steel) (Stiel--Voroshilovgrad)

1.	MYLKO.	S.	N.	Eng.:	RUBASHIN.	দ	F

- 2. USSR (600)
- 4. Springs (Mechanism)
- 7. Pneumatic bending and tempering machine for non-continuous operation. Mekh. trud. rab. 7, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3



MYLEO, S.N., kandidat tekhnicheskikh nauk; RURASHIN, F.F.; POLYAKOV, Ta.G., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Stamping rollers for S-80 tractors from cast ingots] Shtampowka rolikov traktora S-80 iz litykh zagotovok. Moskva, Gos.nauchn.-tekhn. izdvo mashinostroit. i sudostroit. lit-ry, 1954. 14 p. (Moscow, Vsesoiuznyi proektno-tekhnologicheskii institut. Obmen tekhnicheskim opytom, no.12) (MIRA 9:8)

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MYLKO, S.N

PHASE I BOOK EXPLOITATION

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- Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Liteynaya sektsiya
- Uluchsheniye kachestva stal'nykh otlivok; trudy Vsesoyuznogo soveshchaniya (Improving the Quality of Steel Castings; Transaction of the All-Union Conference) Moscow, Mashgiz, 1958. 214 p. 4,500 copies printed.
- Eds.: Klauzen, A.I., Engineer; and Silayev, A.F., Candidate of Technical Sciences. Ed. of Publishing House: Manakin, N.V.; Tech. Ed.: Shigin, S.T.; Managing Ed. for literature on heavy machine building (Mashgiz): Golovin, S.Ya.
- PURPOSE: This book is intended for engineers, technicians, and scientific workers at research institutes and plants, as well as for students at advanced technical schools.
- COVERAGE: The book is a collection of papers presented at a scientific and technical conference on the improvement of the quality of steel

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Improving the Quality of Steel Castings (Cont.) 549

castings. The conference was organized by the Casting Section of NTOMAShPROM (Scientific and Technical Society of the Machine-Building Industry) in March, 1955. The articles present the results of investigations concerned with the processes of melting, pouring, and solidification, as well as with interaction between mold and casting, heat treatment of steel, and correction of casting defects. For references, see Table of Contents.

TABLE OF CONTENTS:

Silayev, A.F., Candidate of Technical Sciences. Ways of Improving the Quality of Steel Castings

The author states that casting rejects at Soviet foundries average 3.5 percent of the total output. Two important causes of this, he says, are outmoded production methods and inadequate supply of proper

Card 2/12

Improving the Quality of Steel Castings (Cont.) 549

materials and equipment. He points out that the USSR lags behind the USA in mechanization and automation of casting processes. He recommends the speedy adoption of modern, efficient technological methods and, above all, an intensification of research in casting methods.

Berg, P.P., Professor, Doctor of Technical Sciences. Effect of Mold Material on the Quality of Castings

The author discusses gas cavities, hot cracks, dimensional accuracy, pick-up, surface quality, and surface alloying in connection with the nature of the mold material.

Borovskiy, Yu. F., Engineer; Gulyayev, B.B., Professor, Doctor of Technical Sciences. Increasing the Surface Smoothness of Castings

19

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23

Improving the Quality of Steel Castings (Cont.) 549

For cheaply producing smooth-surface castings, the authors recommend the use of two-layer pressed molds or bakelite-bonded shell molds, the supporting layer being made of cheaper, coarser material.

Mylko, S.N., Docent, Candidate of Technical Sciences. Effect of the Oxidizing Capacity of the Bath on the Quality of Steel

The authors conclude from experimental data that in making carbon steel for shaped castings without preliminary deoxidation, better mechanical properties are obtained by oxidizing a large proportion of the manganese in the bath, which results in a better distribution of oxide and sulfide inclusions.

In'shakov, N.N., Candidate of Technical Sciences. Comparative Evaluation of the Mechanical Properties of Open-hearth, Bessemer,

The author's investigations lead him to the following conclusions, among others: 1. Acid electric steel, made by the silicon-reduction process, has, in addition to higher ultimate strength, better plastic

Card 4/12

Improving the Quality of Steel Castings (Cont.) 549

properties - elongation and reduction in area- than basic open-hearth steel. Bessemer steel, with an ultimate strength close to that of basic open-hearth steel, shows less elongation and reduction in area, and these properties vary considerably in individual cases. 2. Increasing the carbon content leads in all cases to an increase in ultimate strength and a decrease in elongation and reduction in area; this effect of carbon is greater in electric steel than in Bessemer steel. 3. In acid electric steel, as compared with open-hearth steel, am increase in the manganese content has a more marked effect in increasing the ultimate strength and yield point and a less pronounced effect in decreasing elongation and reduction in area. Increasing the manganese content in Bessemer steel has a less adverse effect on the plastic properties than in basic open-hearth steel. 4. The common view of Bessemer steel as being necessarily inferior to basic open-hearth steel in its mechanical properties ought to be revised. 5. Acid electric steel is characterized by greater cold shortness than basic open-hearth steel. 6. As regards endurance, there is little difference among the steels investigated.

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Improving the Quality of Steel Castings (Cont.) 549

Druyan, M.A, Engineer. Effect of the Method of Steelmaking on the Mechanical Properties of Steel

49

Of the factors investigated, the most important is the rapid burning-out of carbon in the bath, made possible by high-temperature melting and proper care of the hearth. Other factors are addition of method of desulfurization.

Iodkovskiy, S.A., Engineer. Making Heat-Resistant Austenitic Steel

61

The author concludes from his investigation that the most effective way to make LA-1 steel is to purify the melt under a layer of semi-acid slag.

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Improving the Quality of Steel Castings (Cont.) 549

Nestertsev, S.P., Candidate of Technical Sciences. Casting Properties of Heat-resistant Austenitic Steel

75

The author's investigation shows, among other things, that molten LA-1 heat-resistant steel possesses greater flowability than the widely-used 30L carbon steel, and that the basic factor determining flowability of LA-1 steel is temperature of the metal during pouring.

Ivanyushin, Ye. P., Engineer; Kulikova, K.N. Selection of Optimum
Heat-treating Conditions

The following are investigated for their effect on the mechanical properties and microstructure of steel castings: 1) low-temperature annealing and normalization 2) higher-temperature annealing and normalization, with holding at temperature for various periods of time 3) rate of cooling. In addition, the effect of heat-treating conditions on the plastic properties of steel is studied.

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Improving the Quality of Steel Castings (Cemt.) 549 Vlasov, V.I., Candidate of Technical Sciences. Effect of 98 Technological Factors on the Quality of Cast Parts Among other things, the author recommends the use of sinkheads to promote slow, even cooling, thus assuring a sound, dense structure of the casting. Kryanin, I.R., Candidate of Technical Sciences; Babushkina, G.I. 109 Copper Steel for Shaped Castings The use of the newly developed 18DGSL copper-manganese-silicon steel is recommended for the production of strong, light-weight shaped castings. There are 12 references, all Soviet. Lupyrev, I.I., Engineer; Kononov, D.R., Professor, Doctor of Technical Sciences; Gulyayev, B.B. Prevention of Hot Cracks 125 Card 8/12

549

Improving the Quality of Steel Castings (Cent.)

The authors discuss methods of preventing hot cracks in castings caused primarily by clinging of the sand mold to the casting as the latter shrinks and by unsatisfactory mechanical properties of the steel at the crystallization temperature. It is recommended that the mold be designed so as to lessen its grip on the casting during shrinkage. This may be accomplished by making the mold more flexible, by maintaining definite distances between flask ribs and projecting parts of the casting, etc. The casting may be strengthened during the solidification period by the use of external coolers and by keeping the sulfur content of the casting below 0.045 percent.

Levando, V.V., Engineer; Kryanin, I.R., Candidate of Technical Sciences. Structure and Properties of the Metal of Large Castings 133

The authors investigate 20GSL low-alloy manganese-silicon steel as a material for casting massive turbine blades. Such a blade was cast and analyzed to determine the degree of chemical homogeneity and also the macrostructure, microstructure, mechanical properties, and hardness of various sections of the blade. It was found that this

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Improving the Quality of Steel Castings (Comt.)

549

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steel is very well suited for the casting of many types of machine parts where high strength and good plastic properties are required, and also for turbine blades, provided the blade is surfaced with stainless steel to assure cavitation stability.

Gulyayev, B.B., Professor, Doctor of Technical Sciences; Postnov, L.M., Engineer; Zotov, M.V., Engineer. Shrinkage Porosity and Means of Dealing With It.

Various types of porosity are discussed, methods of detecting them are explained, and measures for preventing porosity are described.

Some measures involve changes in design, while others are accomplished by improved techniques.

Postnov, L.M. The Effect of Fillet Radii on the Formation of Defects in Junctions

Card 10/12

Improving the Quality of Steel Castings (Cent.) . 549

The author gives criteria for selecting fillet radii in various cases. There are 3 references, all Soviet.

Goryunov, I.I., Candidate of Technical Sciences. Defects in Investment Castings

165

The following types of defects are discussed: surface defects, porosity, cavities, faulty dimensions, incorrect weight, undesirable metal structure, and unsatisfactory chemical composition and mechanical properties. There are 9 references, all Soviet.

Kosarikov, N.F., Engineer. Rationalization of Technology in Foundries; From the Experience of the "Krasnoye Sormovo" Plant im. A.A. Zhdanov

After World War II, the "Krasnoye Sormovo" Plant im. Zhdanov lin Gor'kiyl began assembly-line production of large items, such as steam locomotives, marine engines, etc. The author discusses the

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Improving the Quality of Steel Castings (Cemt.)

549

principal technological improvements thereby necessitated:
1) more precise geometry of castings 2) improved quality of the cast surface 3) a reduction in the number of internal defects discovered in machining 4) more rapid methods of producing castings.

Petran', K.V., Candidate of Technical Sciences. Correction of Defects by Welding

The author shows that this method is entirely satisfactory, provided proper materials and techniques are employed. Procedural details are given for the preparation of the defective items for welding and for the actual process of welding-up the defects.

Suslov, V.N., Candidate of Technical Sciences. Automatic Welding-up of Defects in Steel Castings

Of several possible methods for the automatic welding-up of casting defects, the author considers are welding in an atmosphere of carbon dioxide the most promising. There are 6 references, all Soviet.

AVAILABLE: Library of Congress

GO/ksv 9-15-58

Card 12/12

SOV/123-59-15-60447

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 15, p 218 (USSR)

AUTHOR:

Mylko, S.N.

AND REAL PROPERTY OF THE PROPERTY OF SERVICE SERVICES.

TITLE:

The Effects of the Oxidizing Power of Baths on the Steel Quality

PERIODICAL: V sb.: Uluchsheniye kachestva stalinykh otlivek. Moscow, Mashgiz, 1958,

pp 23 - 31

ABSTRACT:

An increase in the FeO content of the slag up to 9 - 10% raises  $\delta$  and  $\psi$ and decreases  $\sigma_b$  and  $\sigma_s$  of 25L-grade steel. A total FeO and MnO content in the slag within the limits of 10 - 25% before the reduction does not show any substantial effect on the strength properties of the 25L grade steel, while the ductility is considerably improved of this total amount is increased. The burning loss of Mn, added for the reduction of the steel, effects the mechanical qualities considerably, that is to say: with a 27% loss  $6_6$  51 kg/mm<sup>2</sup> and  $\Psi$  39.9%; with a 72% loss  $6_6$  48 kg/mm<sup>2</sup> and  $\Psi$  46.4%. The magnitude of  $\delta$  is increased by 7.4% with a variation of the Mn loss within the given limits. The O2 content and non-metallic impurities in the steel, smelted with a great Mn-loss, are by 24% lower than those smelted with a low Mn-loss. The C and Mn content is also

Card 1/2

SOV/123-59-15-60447

The Effects of the Oxidizing Power of Baths on the Steel Quality

lower in smeltings with a high loss and a decrease in the C content by 0.01% reduces  $6_b$  by 0.4 kg/mm<sup>2</sup>,  $6_s$  by 0.3 kg/mm<sup>2</sup>, and increases  $6_s$  by 0.4% and  $\psi$  by 1.1%. The Mnloss grows with an increasing FeO and particularly Fe<sub>2</sub>O<sub>3</sub> content in the slag, with a decrease in the temperature of metal and slag during the reduction period and with an increasing concentration of  $0_2$  in the furnace atmosphere during the reduction time. The smelting of carbon steels for section-shaped castings without preliminary reduction results in obtaining higher mechanical properties owing to a better distribution of oxysulfide impurities at the expense of a higher Mn loss.

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Card 2/2

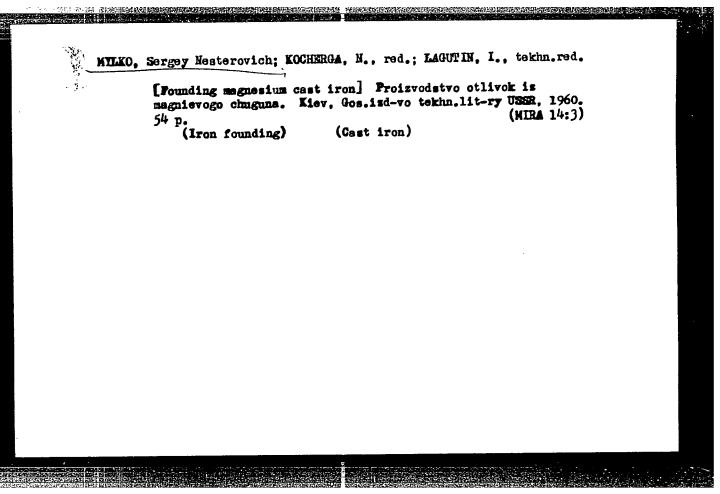
 MEKO, Sergey Mesterovich; FIRSTOV, Aleksey Mikoleyevich; KOMASHKO,

E.P., otv.red.; THELYAKOVA, A.S., red.

[Progressive foundry practices] Progressivnais tekhnologiis
liteinogo proisvodstva. Kiev, 1960. 39 p. (Obshchestvo po
resprestremeniin politicheskikh i nauchnykh snanii Ukrainskoi
SSR. Ser.7, no.12).

(Founding)

(Founding)



MYLKO, S.N.

PHASE I BOOK EXPLOITATION SOV/5789

- Nauchno-tekhnicheskaya konferentsiya po razvitiyu proizvoditel'nykh sil Kiyevskogo ekonomicheskogo rayona
- Goryachaya obrabotka metallov; trudy konferentsii. vyp. 2. (Hot Working of Metals, Transactions of the Scientific Technological Conference on the Development of the Productive Forces of the Kiyev Economic Region. no. 2) Kiyev, Izd-vo AN UkrSSR, 1960. 142 p. 1000 copies printed.
- Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Sovet po izucheniyu proizvoditelnykh sil UkrSSR. Institut liteynogo proizvodstva. Sovet narodnogo khozyaystva Kiyevskogo ekonomicheskogo rayona. Tekhniko-ekonomicheskiy sovet.
- Editorial Board: Resp. Ed.: A.A. Gorshkov, Corresponding Member, Academy of Sciences UkrSSR, B.B. Tsizin, Engineer, and F.A. Novikov, Engineer; Ed. of Publishing House: T.K. Remennik; Tech. Ed.: O.A. Kadashevich.
- PURPOSE: This collection of articles is intended for technical personnel in machine plants and planning organizations, scientific workers, and teachers in technical schools of higher education.

Card

Hot Working of Metals (Cont.) SOV/5789 COVERAGE: The book is devoted to problems of the introduction of advanced technology and processing in founding and pressworking. Problems in powder metallurgy are also analyzed. No personalities are mentioned. References accompany some of the articles. There are 56 references, mostly Soviet. TABLE OF CONTENTS: Foreword 3 Gershkev, A.A. [Corresponding Member of the Academy of Sciences UkrSSR; Institute liteynogo proizvodstva AN UkrSSR - Institute of Founding of the Academy of Sciences UkrSSR]. Principal Trends in Improving Foundry Techniques 5 Zharov, N.T. [Candidate of Technical Sciences; Institut avtomatiki Gosplana UkrSSR-Automation Institute of the State Planning Committee of the UkrSSR]. The Present State and Outlook for Automation in Founding 15 Card 2/6

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•	Hot Working of Metals (Cont.)	7/5789	
٠	Februahenko, I.M. [Corresponding Member of the Academy of Scient UkrSSR: Institut metallokeramiki i spetsial cykh splavov AN Ukr Institute of Powder Metallurgy and Special Alloys of the Academ Sciences UkrSSR]. The Use of Powdered-Metal Materials in Teshn	rssa – ny of	:
•	Mylko, S.N. [Candidate of Technical Sciences; GNTK of the Councillaters of the UkrSSR]. New Methods of Casting	43 cf	
	Alyuchnikov, S.I. [Dosent; Vsesoyuznyy nauchno-issledovatel skiy institut tekhnologii mashinostroyeniya—All-Union Scientific ReInstitute of Machine Technology]. rresent State and Outlook for Freeign Forgings	esearch	
	Rharchenko, P.F. [Candidate of Feonomic Sciences; Institut ekor AN UkrSSR-Institute of Economics of the Academy of Sciences Ukr Economic efficiency of Introducing New Manufacturing Processes Founding	rsskj.	
	Card 9/6		

PETRICHEUKO, Aleksey Meksimovich; SUKHODOL'SKAYA, Yelena Alekseyevna;
MYLKO, S.N., dotsent, kend.tekhn.nauk, retsenzent; SOROKA, M.S.,
red.;

[Foundry practice in modern China] Sovremennoe liteinoe proizvodstvo Kitaia. Moskva. Gos.neuchno-tekhn.izd-vo mashinostroit. lit-ry, 1960. 198 p. (MIRA 14:1)

1. Glavnyy spetsialist Gosudarstvennogo nauchno-tekhnicheskogo komiteta USSR (for Mylko).
(China--Founding)

MYLKO, S.N., kand.tekhn.nauk, dotsent, red.; FURER, P.Ya., red.;

GORNOSTOYPOL'SKAYA, M.S., tekhn.red.

[Using natural as in cupola furnaces] Primenenie prirodnogo gaza
v vagrankakh, Meskva, Gos.nauchno-tekhn.izd-ve mashinostroit.

lit-ry, 1961. 58 p. (MIRA 14:7)

(Gas, Natural) (Cupola furnaces)

MYLKO, Sergey Nesterovich; TARASOVICH, Vasiliy Savvich[Tarasovych,
V.S.]; NOVIK, O.M., red.; GUSAROV, K.F.[Husarov, K.F.],
tekhn. red.

[New developments in foundry practice in the Ukraine]Nove u
lyvarnomu vyrobnytstvi Ukrainy. Kyiv, Derzhtekhvydav URSR,
1962. 31 p. (MIRA 15:11)

(Ukraine—Founding)

MYLKO, S.N., kand.tekhn.nauk; BYCHKOVA, N.I.

Founding industry in the U.S.A. Mashinostroenie no.1:124-126

Ja-F '62. (MIRA 15:2)

(United States--Founding)

MYLKO, S.N., kand.tekhn.nauk; SKORODZIYEVSKIY, S.M., insh.

Semicontinuous pouring of cast iron pipe and cylindrical ingots.

Met. i gornorud. prom. no.2:39-41 Mr-Ap '62. (MIRA 15:11)

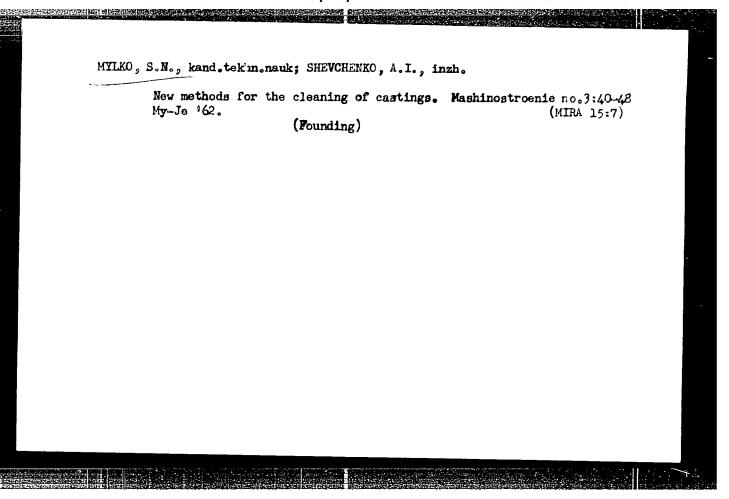
(Continuous casting) (Pipe, Cast iron)

MYLKO, S.N., kand.tekhn.nauk; SHEVCHENKO, A.I., inzh.

Reducing the extent of cleaning and fettling operations in founding.

Mashinostroenie no.2:42-48 Mr-Ap '62. (MIRA 15:4)

(Founding)



# MYLKO, S.N., kand.tekhn.nauk

Present status and future development of the mechanization and automation of founding operations in the Ukraine. Mashino-stroenie no.6251-53 N-D \*62. (MIRA 16:2)

1. Kiyevskiy politekhnicheskiy institut.
(Ukraine—Founding) (Automation)

MYLKO, S. No; KOHASHKO, No Post Converter making of steel in foundries. Lit. proizv. no.10:4-7 (MIRA 15:10)

(Foundries—Equipment and supplies)
(Converters)

MYLKO, Sergey Nesterovich, kand. tekhn. nauk; GONCHAROV, Ivan
Nikolayevich, kand. tekhn. nauk; TARASHIKO, Ivan Ivanovich,
inzh.; KIMLAT, Zyunya Aronovich, inzh.; INDUTNYY, Yevgeniy
Vasil'yevich, inzh.; DOROFEYEV, Yuriy Grigor'yevich, kand.
tekhn. nauk; CHUKMASOV, S.F., doktor tekhn.nauk, retsenzent;
KUDELYA, F.Ya., inzh., retsenzent; TANCHAROVA, V.F., red.izdva; MATUSEVICH, S.M., tekhn. red.

[Uses for scrap metal] Ispol'zovanie metallicheskoi struzhki. Kiev, Gostekhizdat USSR, 1963. 142 p. (MIRA 16:12) (Scrap metals)

LEVIN, Semen Lazarevich; Kucho, V.S., doktor tekhn. nauk, retsenzent;

MYLKO, S.N., kand. tekhn. nauk, retsenzent; BORMATSKIY, I.I.,
kand. tekhn. nauk

[Steel smelting processes; hyrindemenical and technological
principles] Stalerlavil'rye proteeny; fiziko-khiricherkie i
tekhnologicheskie osnovy. Kiev, Masterhizmat USS. 1900. 405 p.

(MI A 17:9)

MYLKO, S.N., kand.tekhn.mauk; KONASHKO, N.P., inzh.

New principles for designing centralized founding ships.

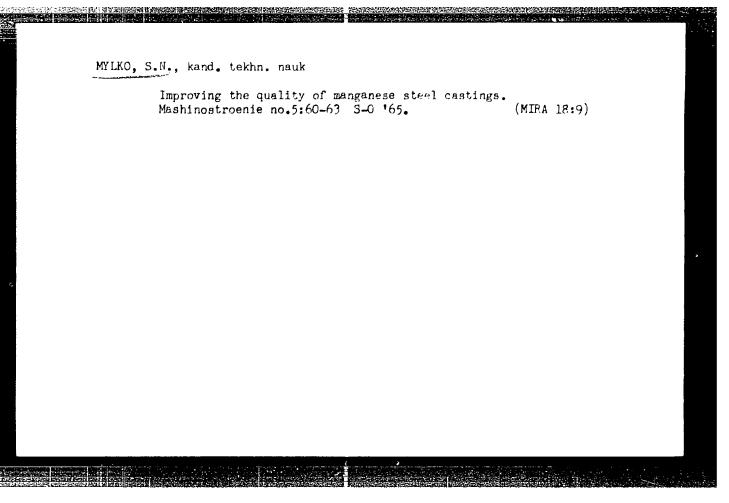
Mashinostroenie no.6;23-26 N-D '63.

(MIRA 16:12)

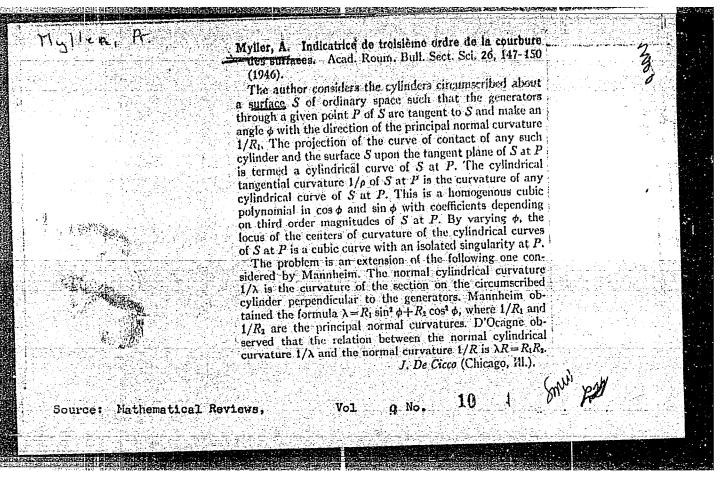
MYLKO, S.N., kand. tekhr. nauk; ZINKOVICH, P.A., inzh.

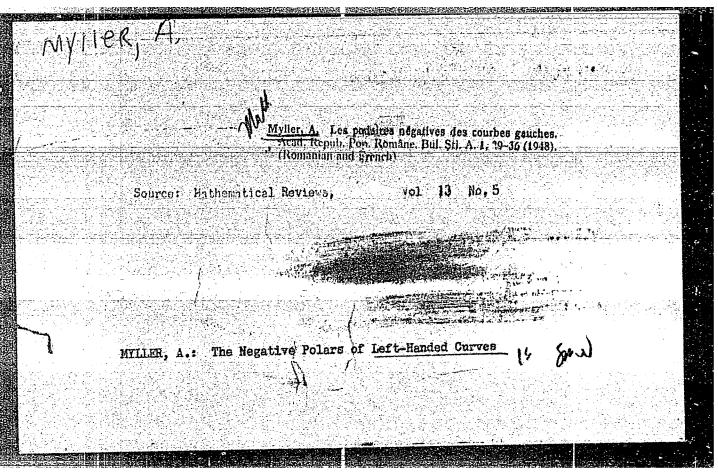
Melting cast-iron chipe in induction furnaces. Mashinostroenie
no.2:52-54 Mr-Ap '65.

(MIRA 18:6)



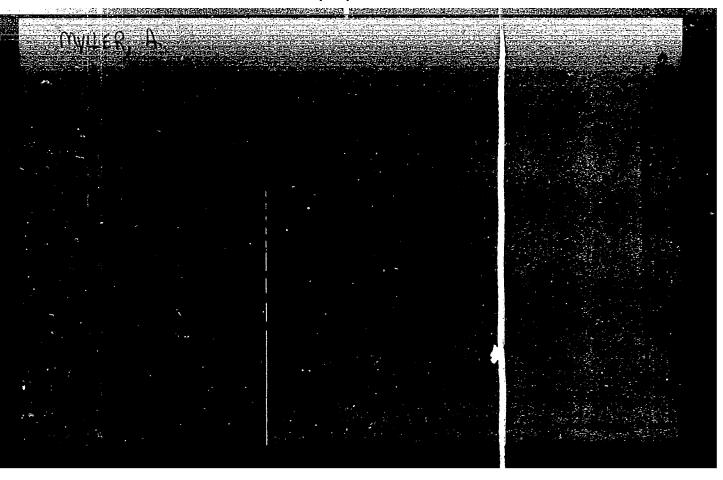
Myller, A. Equations itérales linéaires du second ordre à commeients constants. Bull. École Polytech. Jassy [Bul. Politehn. Gh. Asachi. Iași] 1, 270-273 (1946). (Romanian. French summary)  On peut obtenir des solutions y=f(x) d'uns equation itérale linéaire du second ordre à coefficients constants en partant de l'observation qu'elles restent inalterées quand on échange a et y respectivement en y et py+qx. On calcule effectivement des solutions algébriques d'ordre 1 et 2.  From the author's summary.									
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	A. 1, 655-660 (1949). (Romanian.	Russian and French	0
	summaries) This paper is concerned with curv	ves on a surface, the	
	characteristic properties of the curv	rs depending of the sinvariably related to	
	the surface. P is called the pole. In studied whose tangents make equal a	Dartichatt carees are	
	and the mainter of contact. Also	) Clisenzaco attracta	
	whose points, or for which the tange taining surface at those points, are at	E. W. Couscint, margine.	
	from the pole. A theorem is proved con- of the angle determined by the radius	vector and the surface	
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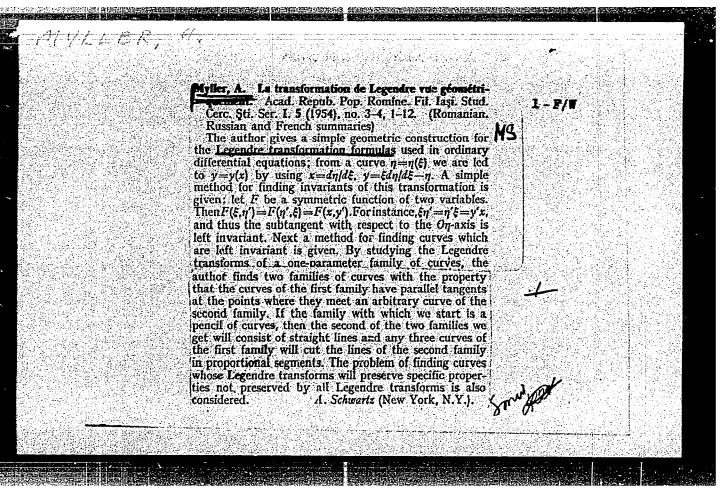
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#### MYLLER, A.

"Curves and par Hel surfaces in a broad sense", p. 1; "Journal or science issued by the Insi Branch, Rumanian Academy; with French and Russian summaries. Quarterly". (STUDII SI CERCETARI STILMTIFICE. Vol. 5, no. 1/2, Jan/June 1954. Filiala Insi.)

30: Monthly List of Ea t European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.



MYLLER, A.

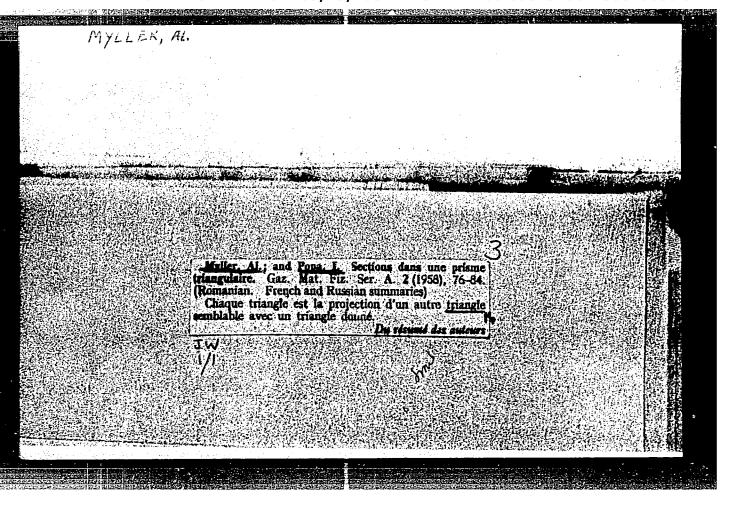
"Questions of varallels, encouragement, and an instrument to study space", p. 477: "issued by the Rumanian Society of Mathematics and Physics, Monthly", (GAZETA MATEMATICA SI FIZICA, SERIA A., Vol 11, Nov. 1954. Bucuresti, Rumania).

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MYLLER, A.

"Second my evolutes and evolutoids", p. 537; "issued by the Eumenian Society of Pathematics and Physics, Monthly", (GAZETA MATEMATICA SI FICICA, SURIA A., Vol. 12, Dec. 1954. Bucuresti, Eumania).

SO: Monthly List of East European Accession, (EVAL), LC, Vol. 4, A., 5, May, 1955.

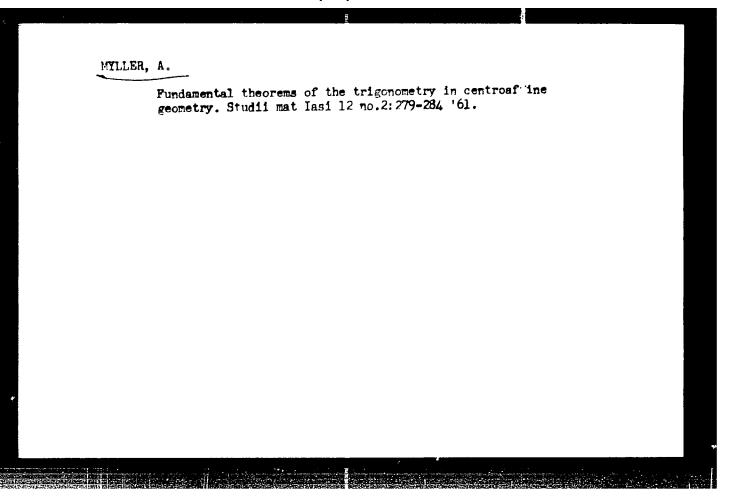


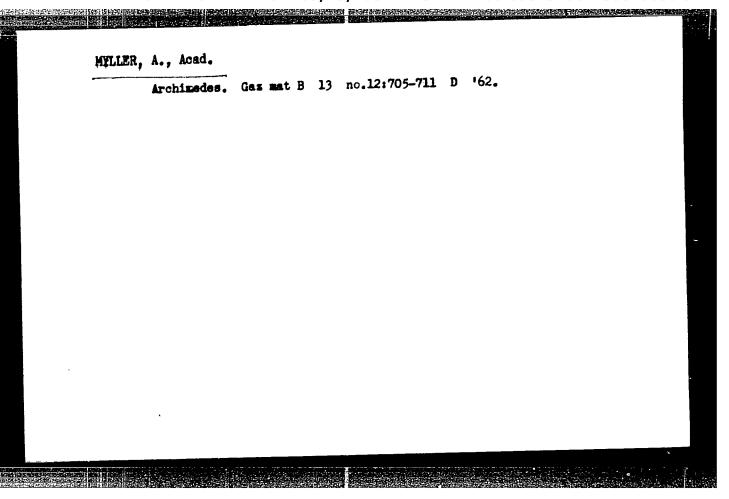
MYLLER, A.

Triangles, remarkable from the centroaffine point of view. p. 1

Academia Republicii Populare Romine. Filiala Iasi. STUDII SI CERCETARI STIINTIFICE. MATEMATICA. Iasi, Rumania. Vol 9, no. 1 1958

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959 Uncl.





MYLLER, A., acad.

Theorem on the quadrilaterals similar to those of Ptolemy. Gaz mat fiz 14 no.2:57-58 '62

MYLLER, V.G.

"Moisil's Introducere in algebra (Introduction to Algebra); a pook review", p. 468; "issued by the Rumanian Society of Marhematics and Physics. Monthly". (GAZETA MATEMATICA SI FIZICA, STRIA, A. Vol. 6, no. 10, 1954. Bucuresti, Rumania).

SO: Manthly List of Ea t European Accession, (MEAL), LC, Vol 4, No. 5. May, 1955.

MYLLER-LEBEDEV, Vera, prof., laureat al Premiului de Stat

David Hilbert; hundredth anniversary of his birth. Caz mat fiz
14 no.1:47-50 Ja '62.

1. Universitatea, Iasi.

MYL'NIKOY, Bans, khimik; KUTKIN, F.A., khimik; Prinimala uchastiye
MINATEVA, L.M., laborant

Emulsion treatment of flannel. Tekst.prom. 20 no.4:52-53 Jl
'60. (MIRA 13:8)

1. Laboratoriya kombinata "Trekhgornaya manufaktura" imeni
Dzershimskogo.
(Textile finishing) (Textile chemistry)

MYL'NIKOV, G. V. Cand Tech Sci -- (diss) "Study of the Wear Resistance of the Pair Piston-Cylindrical Bushing of Drilling Pump." Mos, 1957. 11 pp, 3 sheets of diagrams, 20 cm. (Min of Higher Education USSR, Mos Order of Labor Red Banner Petroleum Inst im Academician I. M. Gubkin), 110 copies (KL, 26-57, 108)

- 62 -

5	Studying the	durability .khos. 35 no	of cylinders	and piston	s in slush	(MLRA 10:2)	
		l drilling			'	HUBA 10:2)	

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My L'witor, G.V.

93-57-7-2/22

AUTHOR:

Myl'nikov, G.V.

TITLE :

Increasing the Wear Resistance of Oil Equipment With Boron Plating (Povysheniye iznosoustoychivosti neftvanogo oborudovaniya metodom borirovaniya)

PERIODICAL: Neftyanoye khozyaystvo, 1957, Nr 7, pp 4-8 (USSR)

ABSTRACT

Boron-plated cylinder sleeves of oil well pumps have three to four times the wear resistance of heat-treated plain steel cylinder sleeves and a higher abrasion resistance than surface-hardened, nitrided, chromized, or boron cast iron or sormite-reinforced high carbon steel cylinder sleeves. The State Design and Scientific Research Institute for Petroleum Machinery (Giproneftemash) is developing a boron plating method for turbodrill tips and piston rods of oil well pumps. The Moscow Petroleum Institute im. Acad. I.M. Gubkin (MNI im. akad. I.M. Gubkina) is investigating the effect of boron plating on the wear resistance of rock bit edges. At present electrolytic boron plating

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increasing the Wear Resistance of Oil (Cont.) 93-57-7-2/22

is used industrially only at the "Borets" plant and at the Krasnodarsk Repair and Machine Plant (Krasnodarskiy remontnomekhanicheskiy zavod). The "Krasnyy molot" plant in Groznyy, the Plant imeni Myashnikov (zavod imeni Myashnikova) in Molotovskaya Oblast, and the Repair and Machine Plant (Remontno-mekhanicheskiy zavod) in Oktyabr'skiy, Bashkir ASSR are just beginning to introduce boron plating. Chizhevskiy was the first to show that steel surfaces can be impregnated with boron. At present, steel surfaces are boron plated by a) saturating the sprinkling powder with ferroboron, b) liquid boron plating from a saline bath, and c) electrolysis through molten boron. For the experiments discussed in the present paper, the method of electrolysis through molten boron was selected by Shtrymov and Dobrodeyev of Giproneftemash. The type of boron bath used in the experiments is shown in Fig. 1. The commercial boron baths produced by the "Borets" and the Krasnodar Repair and Machine plants are built on the same principle but are of different dimensions and vary in Card 2/4

Increasing the Wear Resistance of Oil (Cont.) 93-57-7-2/22

design. The procedure and conditions of the experiments are described in detail. The thickness of the boron deposit on plain grade 40 carbon steel versus the electrolyte temperature is shown in Fig. 2. The thickness of the boron deposit as related to the time of electrolysis is shown in Fig. 3. The thickness of the boron deposit as related to the current density is shown in Fig. 4. The wear resistance of the boron deposit as related to the electrolyte temperature is shown in Fig. 5. The wear resistance of the boron deposit as related to the time of electrolysis is shown in Fig. 6. The wear resistance of the boron deposit as related to the density of the current is shown in Fig. 8. The boron deposited during electrolysis was measured by a Kh-l laboratory model wear testing machine. The microhardness of the boron deposits was determined by the "oblique cut" method and the results are given in tabular form. Much of the data in this paper was taken from 1949 and 1952 reports on "Prolonging the Life of Oil Well Pumps by Boron Plating," made by Giproneftemash. Based on the data of this

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Increasing the Wear Resistance of Oil (Cont.) 93-57-7-2/22

experiment, the optimum conditions for boron plating are: electrolyte temperature 950°, density of the current 0.5-0.9 amperes per sq. cm., and a 4-hour duration of the process. There are eight figures, one table, and one Soviet reference.

AVAILABLE: Library of Congress

Card 4/4 1. Instrumentation-Preservation

SOFRONOV, P.A.; KRAYTSEERG, M.I.; MYL'NIKOV, I.I.; SMIRNOV, B.V.

Silicon rectifiers for enterprises of the refractories industry.
Ogneupory 29 no. 5:201-205 '64. (MIRA 17:7)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V.V.
Kuybysheva (for Sofronov, Kraytsberg). 2. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Myl'nikov).

SOFRONOV, P.A.; MYL'NIKOV, I.I.

Thyristor controlled rectifier for feeding magnetic separators.

Ogneupory 29 no.12:541-544 '64. (MIRA 18:1)

1. Moskovskiy inzhenerno-stroitelinyy institut im. V.V.Kuybysheva for Sofronov). 2. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Mylinikov).

SOFRONOV, P.A.; GLUSHKOV, G.V.; MYL'NIKOV, I.I.; SMIRNOV, B.V.

Substation with semiconductor rectifiers for current supply of electric trucks. Ogneupory 30 no.10:7-9 '65.

(MIRA 18:10)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V. Kuybysheva (for Sofronov, Glushkov). 2. Chasov-Yarskiy kombinat cgneupornykh izdeliy (for Myl'nikov).

TOSENKO, Yu.A. starshiy dorozhnyy master (st. Yesil', Kazakukoy dorogi);
IGNATENKO, V.Ya.; MYL'NIKOV, I.S.

Letters to the editor. Put' i put.khoz. 6 no.5:46 '62.

(MIRA 15:4)

1. Glavnyy bukhgalter Starokonstantinovskoy distantsii, YugoZapadnoy dorogi (for Ignatenko). 2. Zemestitel' nachal'nika
Kurganskoy distantsii puti, Yushno-Ural'skoy dorogi (for Myl'nikov).

(Railroads---Track)

YUSHKOV, P. K., dotsent; MYL'NIKOV, L. L., inzh.

Analytical methods for constructing a load duration chart of a traction substation. Trudy OMIIT 37:128-137 '62. (MIRA 17:5)

SHATS, A.S., insh.; MYL'NIKOV, L.V., insh.

Universal assembly beds used for section assembly and welding.
Sudestreenie 25 ne.4:49-51 Ap '59. (MIRA 12:6)

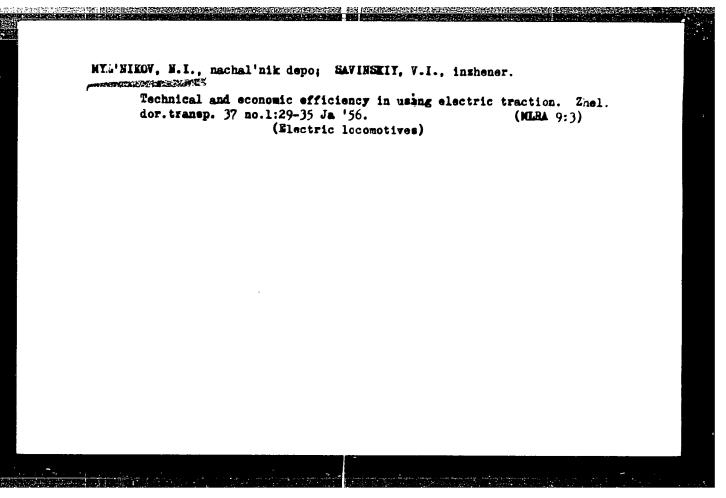
(Ships--Welding)

MYL'NIKOV. Nikeley Ivenevich; SIDCROV. N.I., inzhener, redaktor; STIKHNO, T.V., tekhnicheskiy redaktor

[Increasing the average daily output of electric locomotives]
Uvelichente srednesutochnoi raboty elektrovosov; opyt raboty depo
Barabinsk Omskoi dorogi. Moskva, Gos. transp. zhel-dor. izd-vo,
1956. 42 p.

(Electric locomotives)

(MIRA 10:1)



LOZE, Ya.A.; HYL'NIKOV, N.I.; TARKHANOV, K.A.

One type of boomotive-shed repair is recommended for electric boomotives. Elek. i tepl. tiaga no.12:15-16 D 57. (NIRA 11:1)

1. Nachal'nik sluzhby lokomotivnogo khozyaystva Omskoy dorogi (for Lose). 2. Nachal'nik lokomotivnogo depo Kurgan Yuzhno-Ural'skoy dorogi (for Kyl'nikov). 3. Glavnyy inzhener lokomotivnogo depo Barabinsk Omskoy dorogi (for Tarkhanov).

(Electric locomotives-Maintenance and repair)

8(5) SOV/112-59-3-5058

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 107 (USSR)

AUTHOR: Myl'nikov, N. N., Bakharevskiy, V. P., and Shishlo, K. S.

TITLE: Electrical Drive on New Cotton Printing Machines (Elektroprivod novykh pechatnykh mashin)

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Tekhnol. tekstil'n. prom-sti, 1958, Nr 1, pp 157-168

ABSTRACT: Two types of the electrical drive on cotton-printing machines used at the Ivanovo textile finishing plants are compared: (1) a drive with a 3-phase doubly-fed commutator motor with a regulating transformer (Czechoslovak make, 1955); (2) a generator-motor-scheme drive with a DC motor (made by the Shcherbakov Plant of Polygraphic Machines). The full range 1:11 of speed regulation is attained in the first type by means of an additional adjustable-speed reducer. A comparison shows that the generator-motor-type drive has the advantages over the 3-phase commutator-motor drive in controllability,

Card 1/2

8(5) SOV/112-59-3-5058

Electrical Drive on New Cotton Printing Machines

higher speed, and lower electric-energy consumption per unit production. It is noted that the generator-motor scheme can be simplified for the operating duty in question. Both schemes and energy characteristics of the drives are presented.

L. Ya. L.

Card 2/2

MYL'NIKCY, N.N.: KAGANOV, Z.G.

Analysis of breakdowns occurring in electric motors operating in textile mills. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.2:128-135)//

1. Ivanovskiy tekstil'nyy institut.

(Textile machinery--Maintenance and repair)

(Slectric motors)

MYL'MKOV, P.V.

ARSENTEV. A.A.; ZOLOTNITSKIY, N.D., kandidat tekhnicheskikh nauk;

EISELEV. Ya.L.; KOSOUROV. S.N.; MIL'BIKOV. P.V.; TOROPOV, A.S.

[Safety measures in road building] Tekhnika besopasnosti na dorozhnom stroitel'stre. Moskva, Avtotransisdat Ministerstva avtomobil'nogo transporta i shoseinykh dorog SSER, 1953. 186 p. (MERA 7:4)

(Read construction—Safety measures)

MYL'BIKOV, P.V.; CHVANOV, V.G.; redaktor; MULIKOVA, I.F., tekhnicheskiy redaktor.

[Manual of safety measures for stokers of steam boilers] Pamiatka po tekhnike bezopasnosti dlia kochegara parovogo kotla. Moskva, Hauchno-tekhn. isd-vb artotransportnoi lit-ry, 1954. 37 p. .

(Steam boilers--Safety measures) (MLRA 8:8)

[Safety rules during work with VP-110-58 GDSTR SSR road machinery]

Pravila besopesnosti pri rabote na dorozhnykh mashinakh

VP-110-58

GDSTR SSSR. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo
transp. i shosseinykh dorog RSFSR, 1958. 207 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye po stroitel'stvu avtomobil'nykh dorog.

(Road construction -- Safety measures)

MYL'NIKOV, Petr Vladimirovich; YEGOZOV, V.P., red.; DONSKAYA, G.D., tekhn. red.

[Safety engineering and fire prevention measures in road construction] Tekhnika bezopasnosti i protivopozharnaia tekhnika v dorozhnom stroitel'stwe. Moskva, Nauchmo-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 207 p.

(MIRA 15:1)

(Boad construction—Safety measures)

(Fire prevention—Laws and regulations)

### MYL'NIKOV, P.V.

There must be no accidents in road construction. Avt.dor. 24 no.5:16 My \*61. (MIRA 14:6)

1. Starshiy inshener po tekhnike bezopasnosti Glavdorstroya. (Road construction—Safety measures)

In the Main Road Co 25 nc.5:28 My 46	onstruction Administration. (Road construction)	A <b>vt.</b> dor. (MIRA 11 %)

MYL'NIKOV, Petr Vladimirovich; YEGOZOV, V.P., red.

[Labor protection and safety engineering in the construction and use of roads and bridges; a reference manual] Okhrana truda i tekhnika bezopasnosti pri stroitel'stve i ekspluatatsii dorog i mostov; spravochnoe posobie. Moskva, Transport, 1965. 235 p. (MIRA 18:3)

L 41311-65 ACCESSION NR: AP5008726

s/0209/65/000/003/0037/0040

AUTHOR: Derevyanko, Ye. (Lieutenant colonel of aviation service, Candidate of biological sciences); Kuznetsov, V. (Major of medical service, Physician, Aviator);
Myl'nikov, V. (Major of medical service, Physician, Aviator)

TITLE: Better flight simulation in trainers

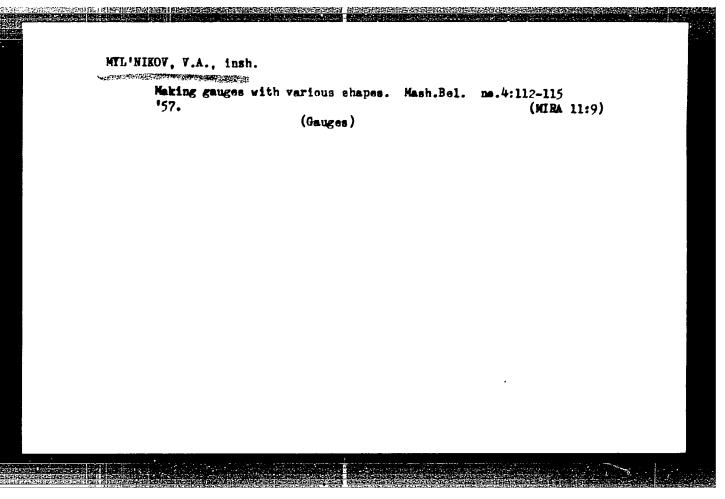
SOURCE: Aviatsiya i kosmonavtika, no. 3, 1965, 37-40

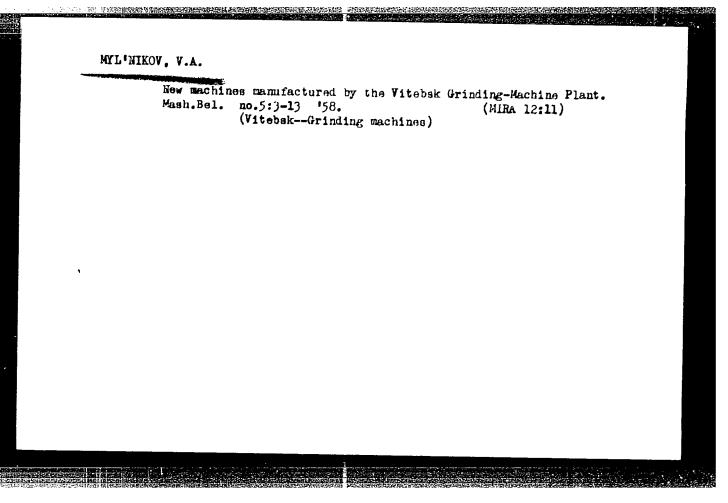
TOPIC TAGS: flight simulation, pilct training

ABSTRACT: The authors review common and frequent pilot errors committed both during flight and in flight simulators. They state that after training exercises involving unusual circumstances and instrument failures are performed on flight simulators, the quantity of wrong decisions is decreased by 40 to 50% after three or four sessions. The authors advocate the use of special training to improve pilot psychophysiological reserve. This reserve can be evaluated in simulators by increasing the number of instruments to which the pilot must react. It is suggested that a light board be mounted in the instrument panel and that the pilot react to a light signal by pressing a corresponding button located in the engine-control sector. For a correct reaction, the first light goes out and the next light goes on auto-

Card 1/2

matically. It is concluded that the simulation of failures must be included not only in special failure exercises but also in other exercises without pilot foreknowledge. Orig. art. has: 2 figures. [LB]				
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MYL'NIKOV, V.A., inzh.; BERSON, A.I., inzh.

Making precision dividing disks. Mash.Bel. no.5:127-139 '58.
(MIRA 12:11)

(Dividing engines)

KAMINSKIY, D.M., kand. tekhn. nauk; MYL'NIKOV, V.A., inzh.; ITSKOVICH, A.M., inzh.; BURLAK, S.T., inzh.; LEONT'YEV, F.Ye., inzh.

Use of semiconductor rectifiers in underground traction substations. Izv. vys. ucheb. zev.; gor. zhur. 6 no.8:180-182 \*63. (MIRA 16:10)

1. Sibirskiy metallurgicheskiy institut (for Kaminskiy, Myl'nikov, Itskovich).

DEREVYANKO, Ye.A. (Moskva); MYL'NIKOV, V.G. (Moskva)

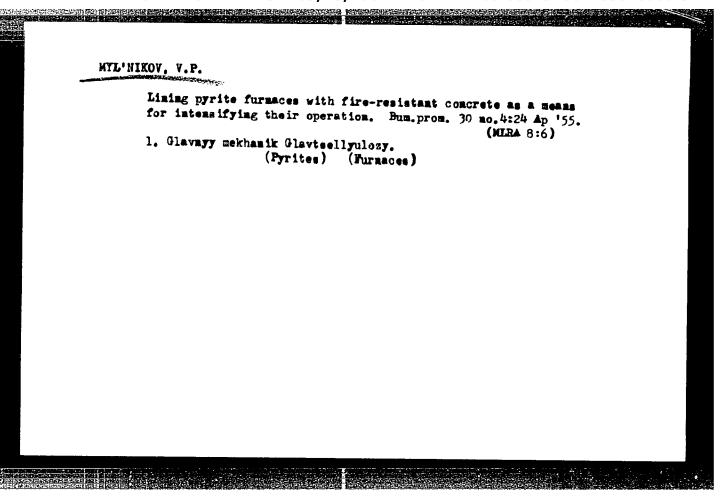
Some patterns of the appearnace of acceleration sensations during the acceleratory changes of gravity. Vop. psikhol.

10 no.3:131-139 My-Je '64. (MIRA 17:9)

- 1. MYL'NIKOV, V. P.
- 2. USSR (600)
- 3. Wood Pulp Industry
- 4. Using heatproof concrete in the pulp industry. Bu.prom. 27 No. 11 1952.

9. Monthly List of Russian Acessions, Library of Congress, February, 1953. Unclassified.

# Publicine the experience gained in equipment repair. Bum.prom.30 no.3122 Mr '55. (MIRA 8:4) 1. Glavnyy mekhanik Glavtsellyulosy. (Papermaking machinery—Repairing)



# MYL'NIKOW, V.P. The use of refractory concrete for the lining of pyrite burning furnaces. Bum.prom. 30 no.5:20-22 My '55. (MERA 8:8) 1. Glavnyy mekhanik Glavnogo upravleniya tsellyulosnoy promyshlennosti. (Refractory materials) (Furnaces)

## From practice in repairing steam engines.Sum.prom.30 no.10:19 0 '55. 1.Glavnyy mekhanik Glavtsellyulovy. (Steam engines)

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### MYL'HIKOV, V.F.

The overgrowth of cattails in the Volga delta is a rich source of raw material for the woodpulp industry. Bum.prom. 30 no.12:20 D '55.

1. Glavnyy mekhanik Glvanogo upravleniya tsellyulo moy promyshlen-(Woodpulp industry) (Volga delta--Cattails)

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### Standards for the design of mechanical repair shops. Bum.prom. 32 no.2:20-21 F '57. (MERA 10:5) 1.Glavnyy mekhanik Glavtsllyulosy. (Papermaking machinery--Repairing) (Industrial buildings)